

1/22

FIG. 1

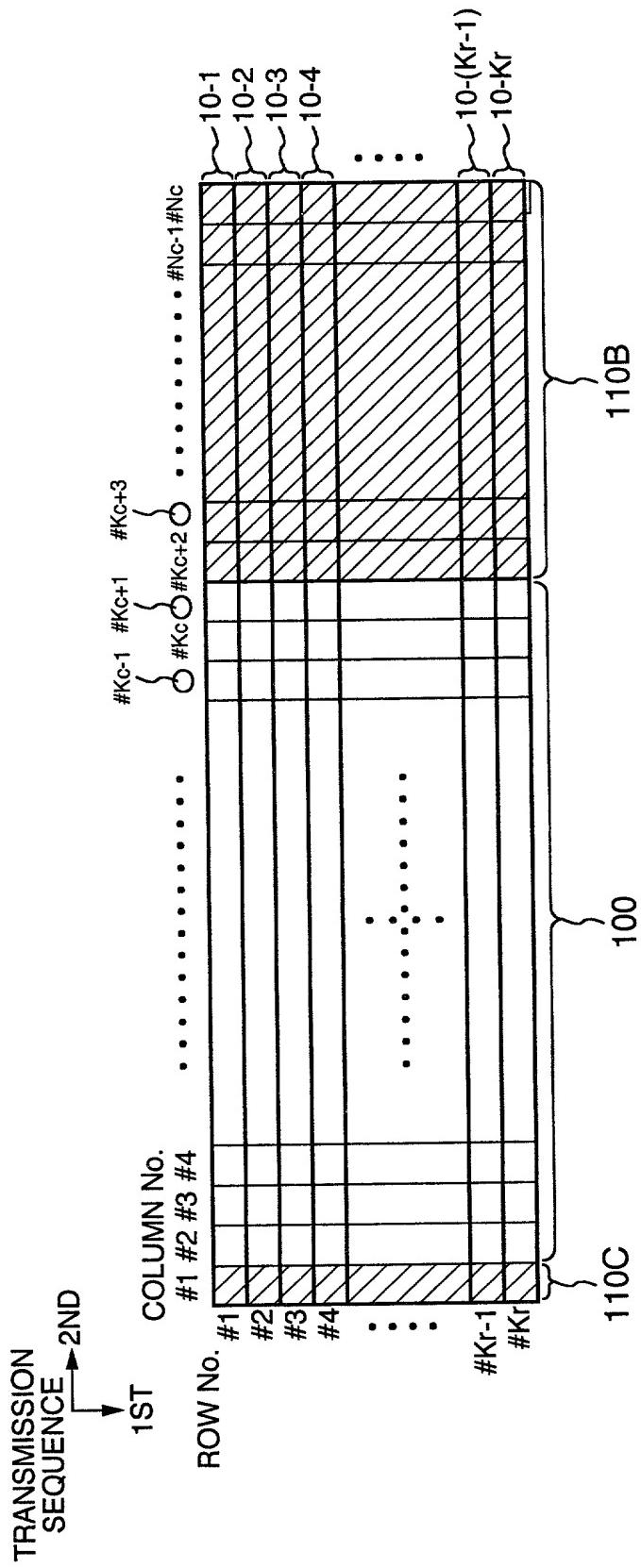


FIG. 2

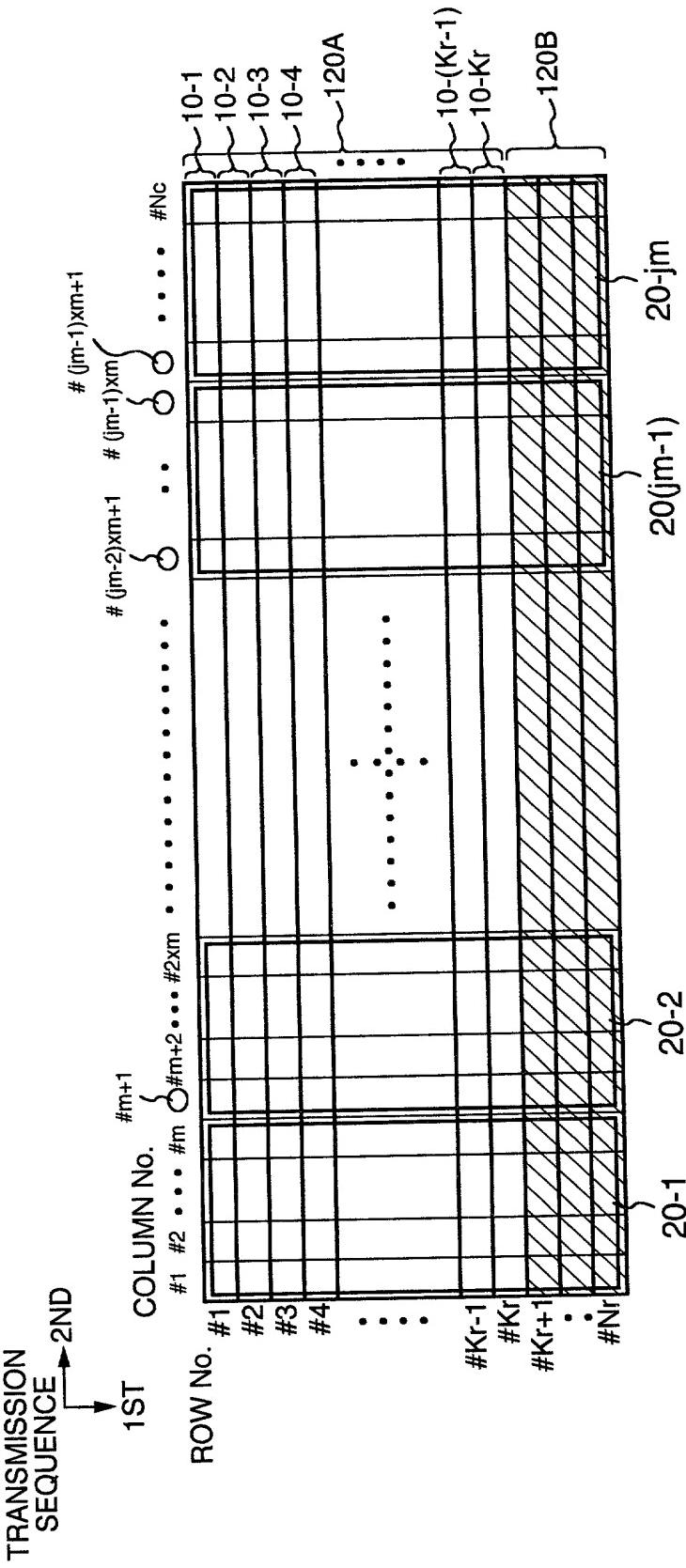


FIG.3

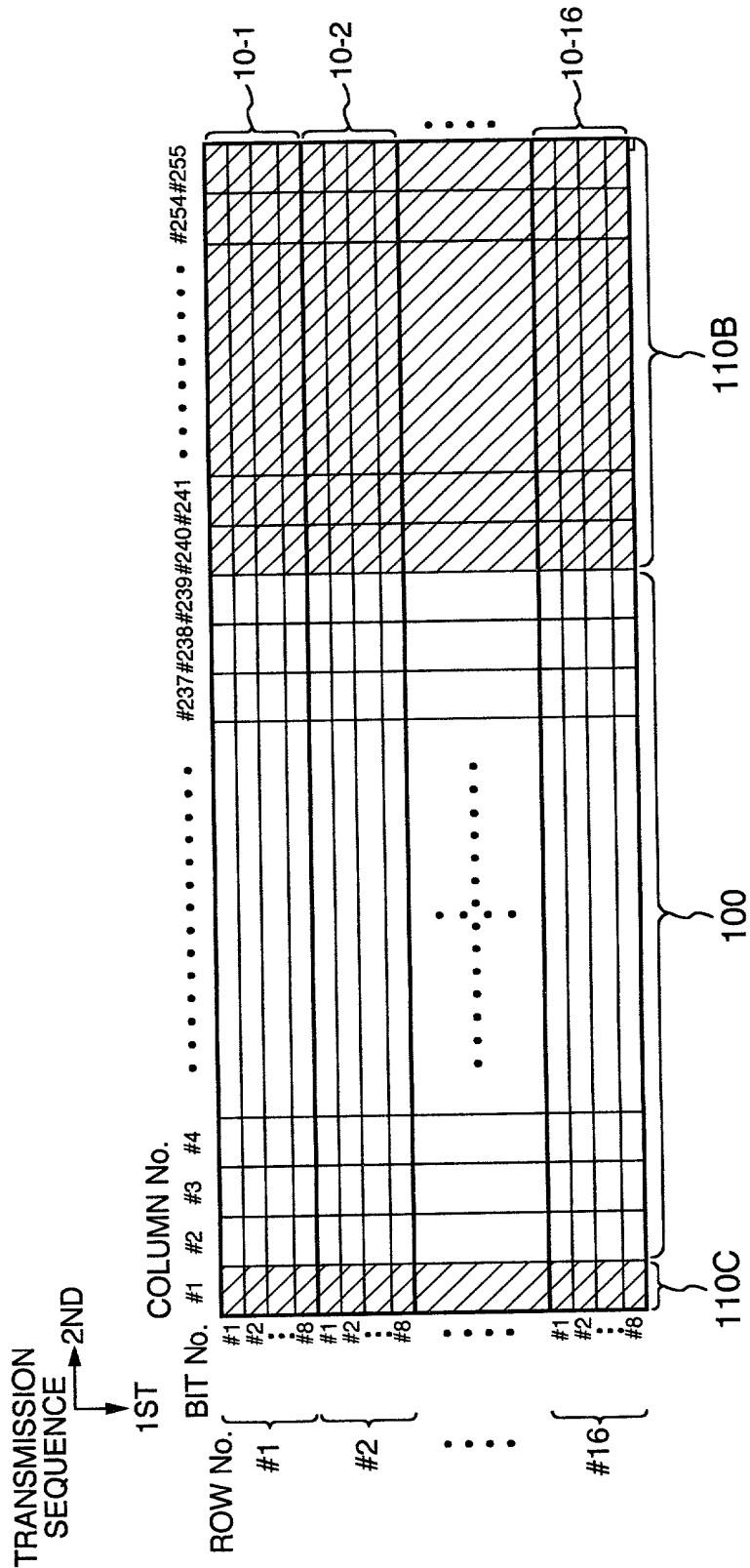


FIG. 4

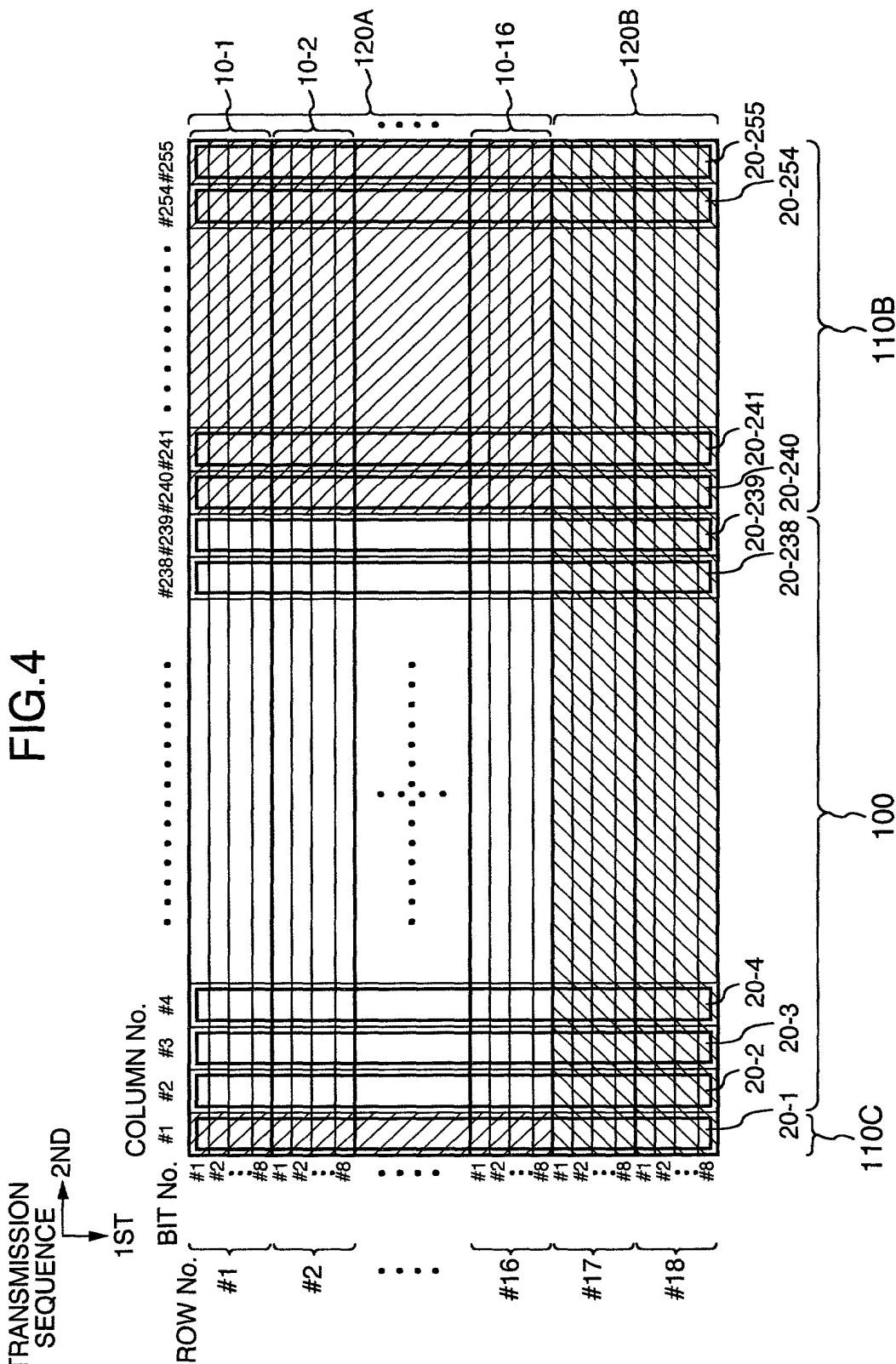
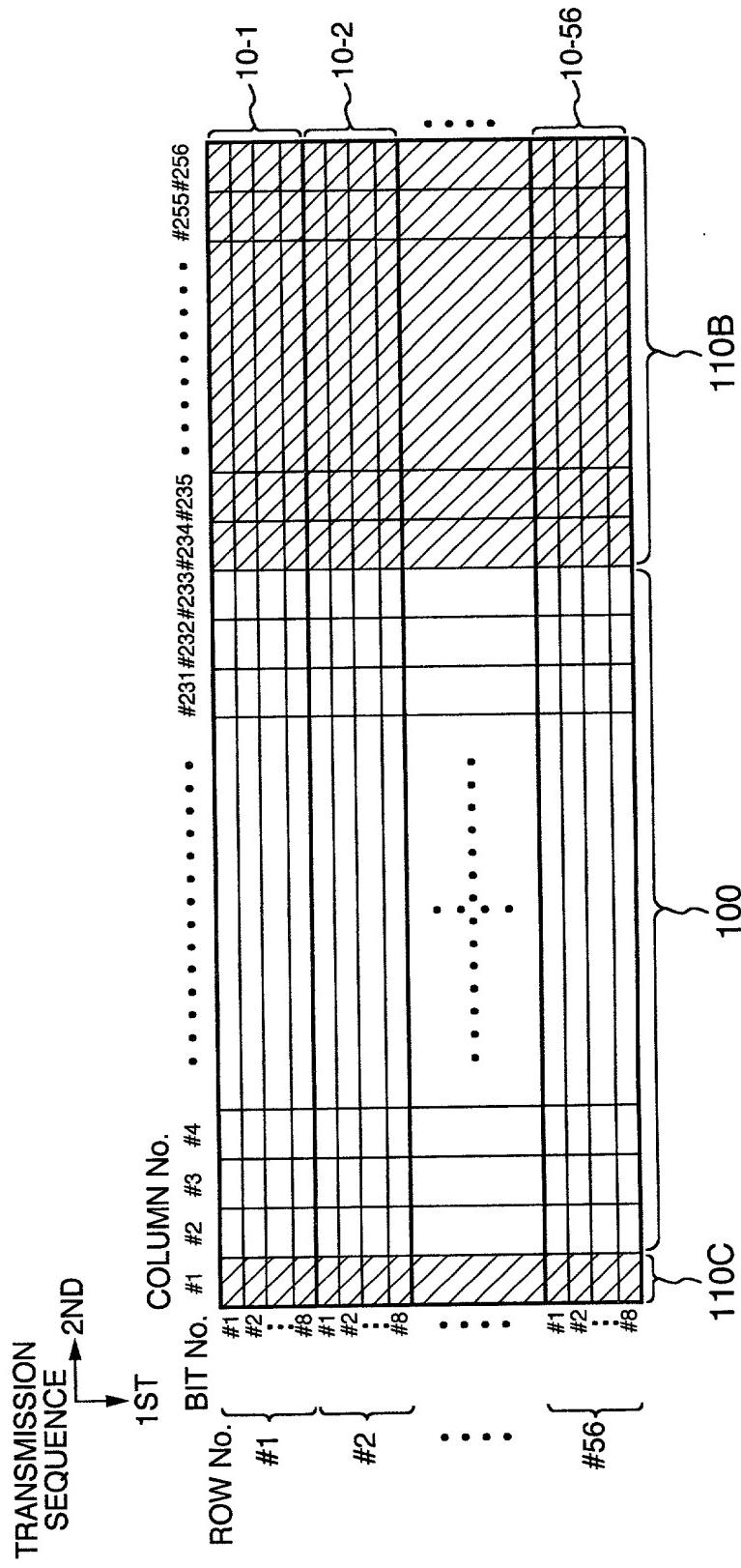


FIG.5



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FIG. 6

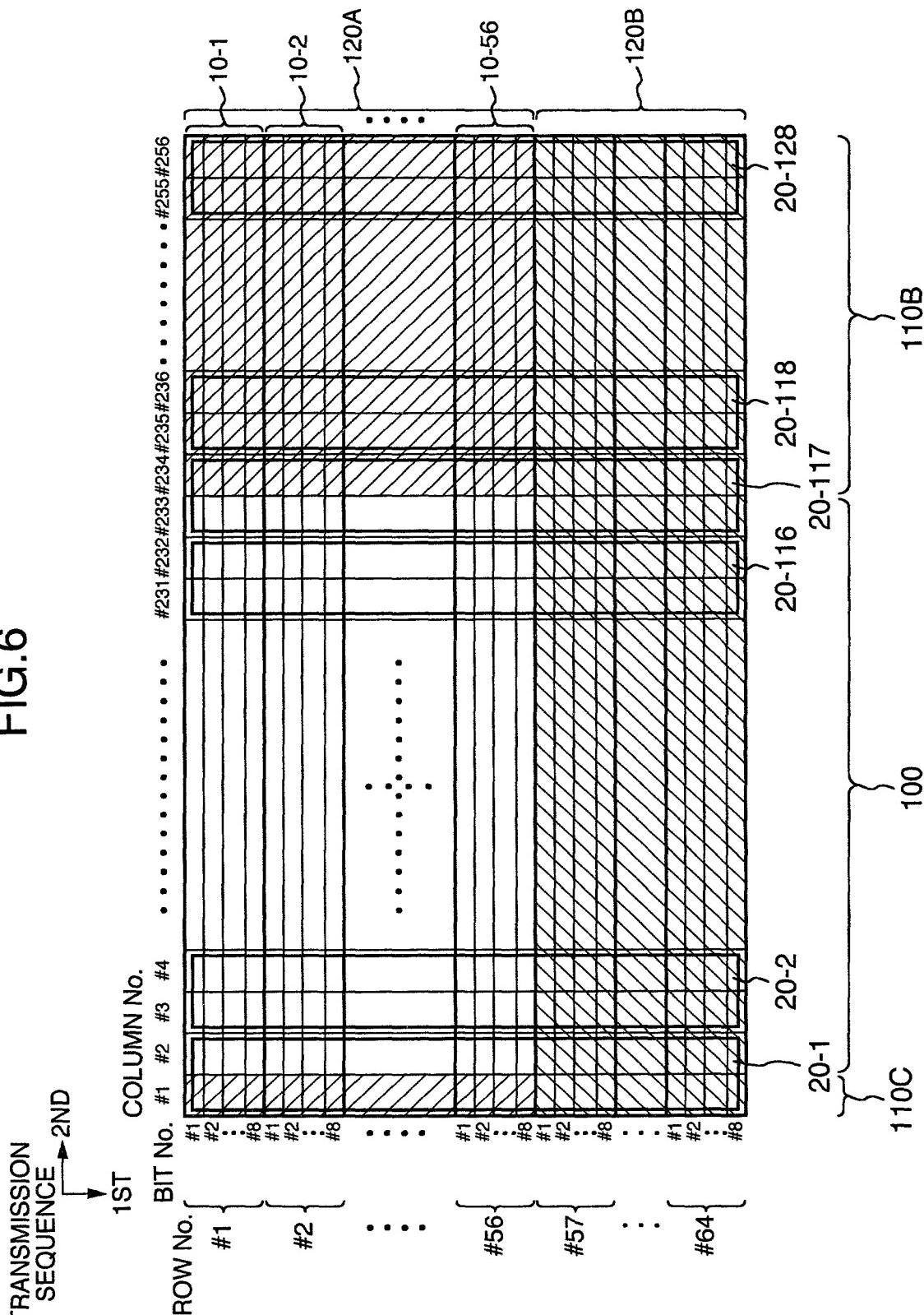
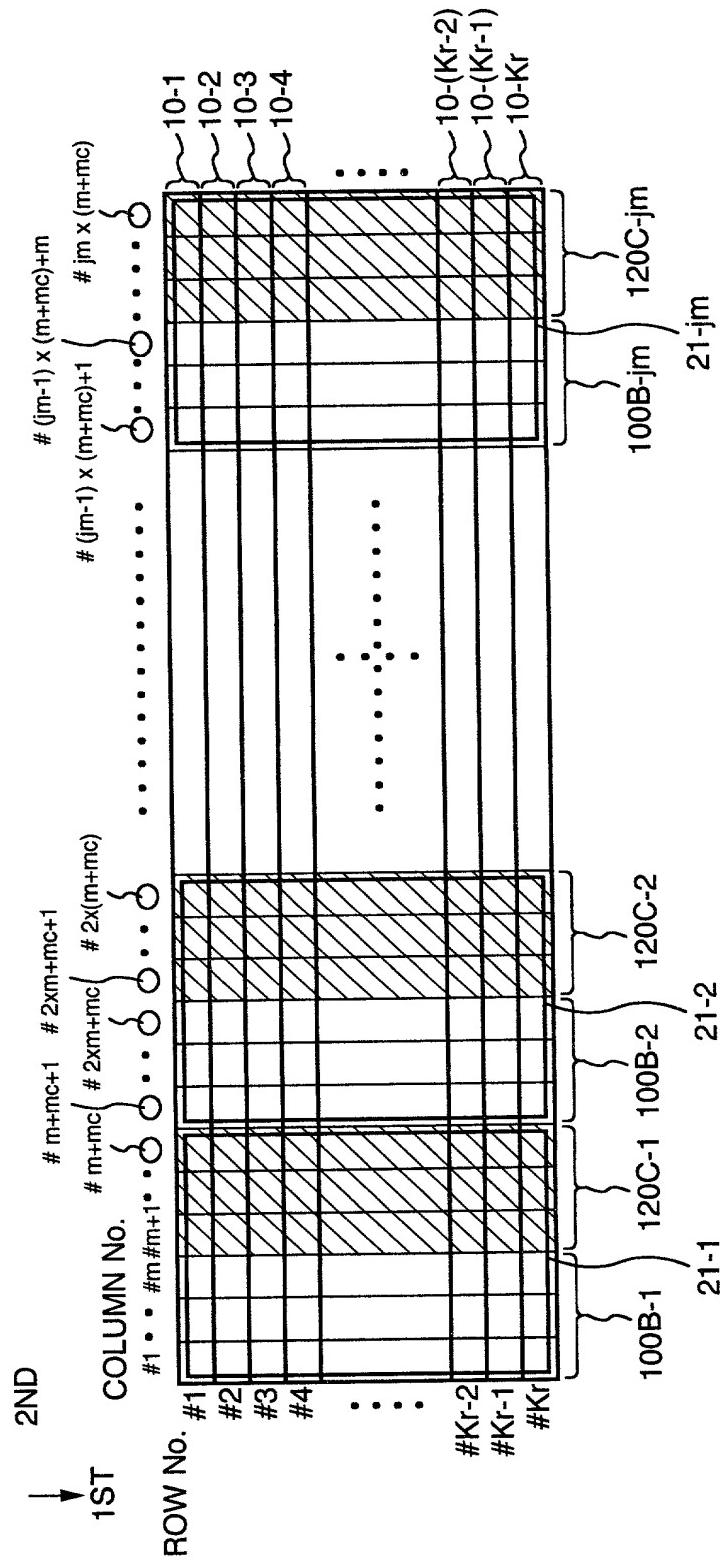


FIG. 7



8.
FIG.

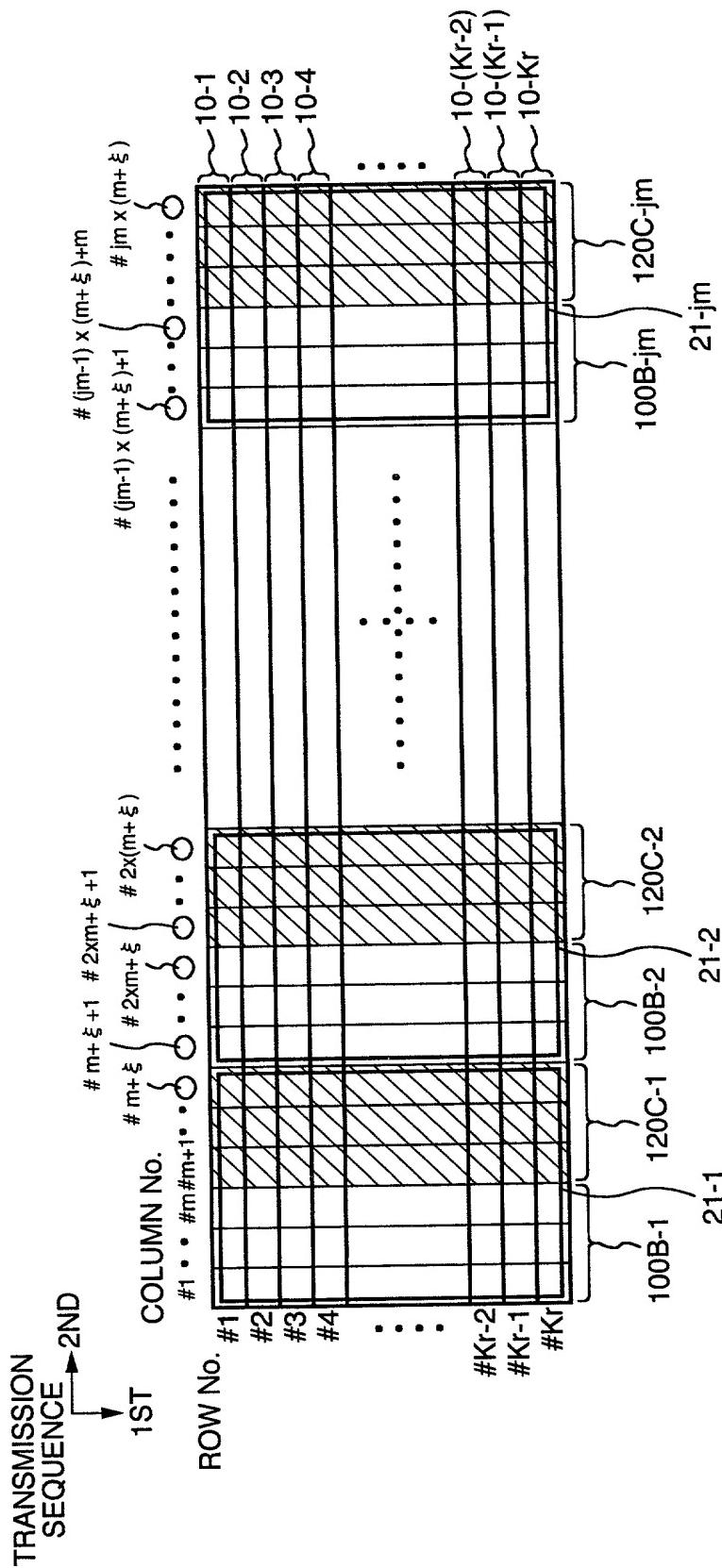


FIG.9A

Nc	Kc	C1 code	
256	252	RS-1 code (255,253)	or BCH-2 code (2047,2025) on GF (2048)
	248	RS-3 code (255,249)	or BCH-5 code (2047,1992) on GF (2048)
	244	RS-5 code (255,245)	or BCH-7 code (2047,1970) on GF (2048)
	240	RS-7 code (255,241)	or BCH-10 code (2047,1937) on GF (2048)
	238	RS-8 code (255,239)	or BCH-12 code (2047,1915) on GF (2048)
	236	RS-9 code (255,237)	or BCH-13 code (2047,1904) on GF (2048)
	232	RS-11 code (255,233)	or BCH-16 code (2047,1871) on GF (2048)
	228	RS-13 code (255,229)	or BCH-19 code (2047,1838) on GF (2048)
	224	RS-15 code (255,225)	or BCH-22 code (2047,1805) on GF (2048)
	220	RS-17 code (255,221)	or BCH-25 code (2047,1772) on GF (2048)
	216	RS-19 code (255,217)	or BCH-28 code (2047,1739) on GF (2048)
	212	RS-21 code (255,213)	or BCH-31 code (2047,1706) on GF (2048)
	208	RS-23 code (255,209)	or BCH-34 code (2047,1673) on GF (2048)
	204	RS-25 code (255,205)	or BCH-37 code (2047,1640) on GF (2048)
	200	RS-27 code (255,201)	or BCH-39 code (2047,1618) on GF (2048)
255	240	RS-7 code (255,241)	or BCH-10 code (2040,1930) on GF (2048)
	238	RS-8 code (255,239)	or BCH-11 code (2040,1919) on GF (2048)
	225	RS-14 code (255,227)	or BCH-21 code (2040,1809) on GF (2048)
	221	RS-16 code (255,223)	or BCH-24 code (2040,1776) on GF (2048)
	210	RS-22 code (255,211)	or BCH-32 code (2040,1688) on GF (2048)
	204	RS-25 code (255,205)	or BCH-36 code (2040,1644) on GF (2048)
128	116	RS-5 code (128,118)	or BCH-8 code (1023,943) on GF (1024)
	112	RS-7 code (128,114)	or BCH-12 code (1023,903) on GF (1024)
	108	RS-9 code (128,110)	or BCH-15 code (1023,873) on GF (1024)
	104	RS-11 code (128,106)	or BCH-18 code (1023,843) on GF (1024)
	100	RS-13 code (128,102)	or BCH-21 code (1023,813) on GF (1024)
64	56	RS-3 code (64,58)	or BCH-6 code (511,457) on GF (512)
	54	RS-4 code (64,56)	or BCH-8 code (511,439) on GF (512)
	52	RS-5 code (64,54)	or BCH-9 code (511,430) on GF (512)
	50	RS-6 code (64,52)	or BCH-11 code (511,412) on GF (512)
32	28	RS-1 code (32,30)	or BCH-3 code (255,231) on GF (256)
	27	RS-2 code (32,28)	or BCH-4 code (255,223) on GF (256)
	26	RS-2 code (32,28)	or BCH-5 code (255,215) on GF (256)
	25	RS-3 code (32,26)	or BCH-6 code (255,207) on GF (256)
16	15	BCH-1 code (127,120) on GF (128)	
	14	BCH-2 code (127,113) on GF (128)	

RS: Reed-Solomon code on GF (256)

RS/BCH-xcode x multi errors correcting RS/BCH code

GF: Galois Field

FIG.9B

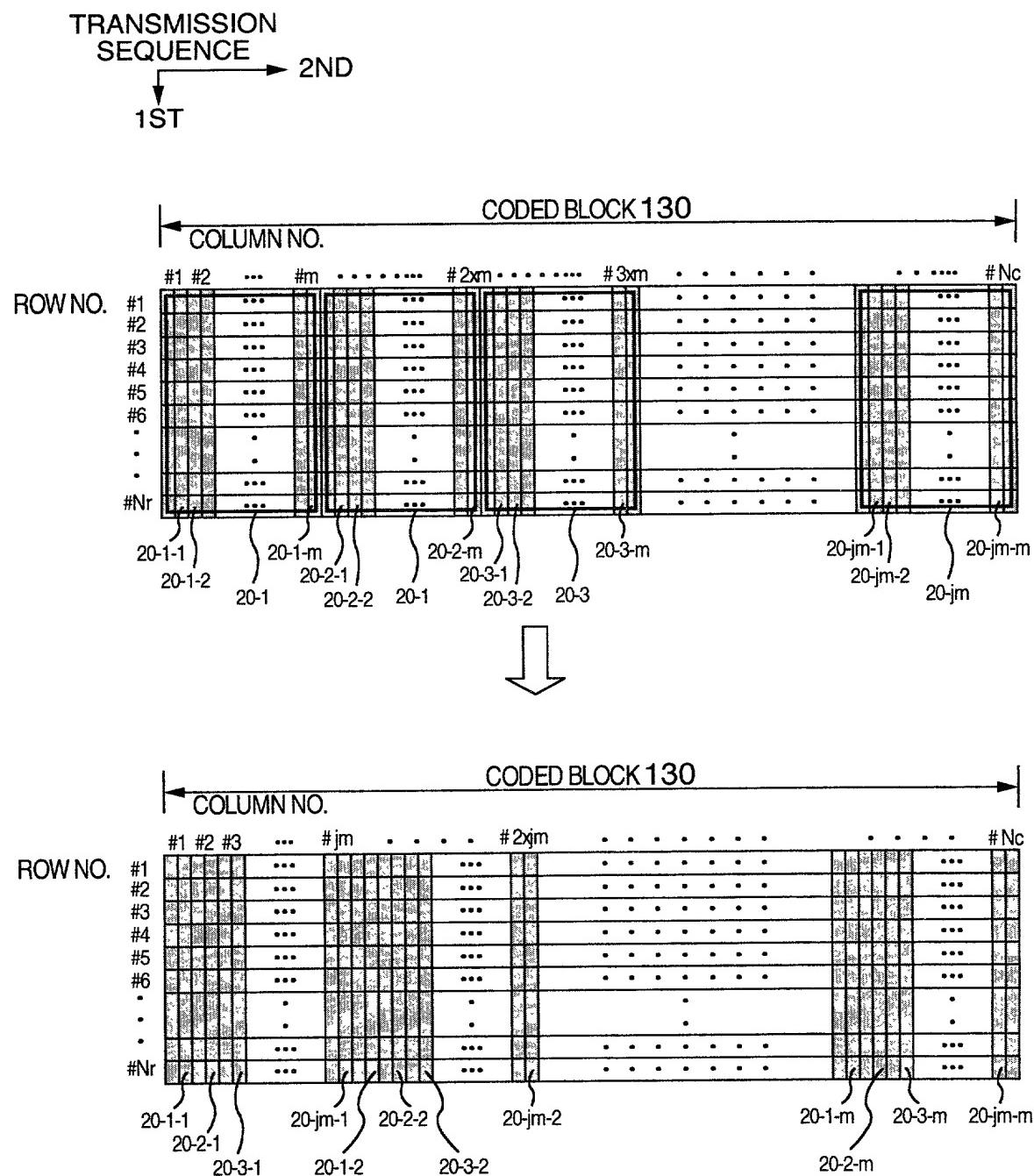
Kr	Nr	m	ξ	C2 code
4	5	1	—	BCH-1 code (40,34) on GF (64)
		2	—	RS-1 code (10,8) or BCH-2 code (80,66) on GF (128)
		4	—	RS-2 code (20,16) or BCH-4 code (160,128) on GF (256)
		8	—	RS-4 code (40,32) or BCH-7 code (320,257) on GF (512)
7	8	1	—	BCH-1 code (63,57) on GF (64) or Convolutional code with coding rate of 7/8
		2	—	RS-1 code (16,14) or BCH-2 code (127,113) on GF (128)
		4	—	RS-2 code (32,28) or BCH-3 code (255,231) on GF (256)
		8	—	RS-4 code (64,56) or BCH-7 code (511,448) on GF (512)
8	9	1	—	BCH-1 code (72,65) on GF (128)
		2	—	RS-1 code (18,16) or BCH-2 code (144,128) on GF (256)
		4	—	RS-2 code (36,32) or BCH-3 code (288,261) on GF (512)
		8	—	RS-4 code (72,64) or BCH-6 code (576,516) on GF (1024)
	10	1	—	RS-1 code (10,8) or BCH-2 code (80,66) on GF (128)
		2	—	RS-2 code (20,16) or BCH-4 code (160,128) on GF (256)
		4	—	RS-4 code (40,32) or BCH-7 code (320,257) on GF (512)
		8	—	RS-8 code (80,64) or BCH-12 code (640,520) on GF (1024)
14	15	16	—	RS-8 code (240,224) or BCH-11 code (1920,1799) on GF (2048)
		17	—	RS-8 code (255,239) or BCH-12 code (2040,1908) on GF (2048)
	16	1	—	RS-1 code (16,14) or BCH-2 code (127,113) on GF (128)
		2	—	RS-2 code (32,28) or BCH-3 code (255,231) on GF (256)
		4	—	RS-4 code (64,56) or BCH-7 code (511,448) on GF (512)
		8	—	RS-8 code (128,112) or BCH-12 code (1023,448) on GF (1024)
		16	—	RS-15 code (255,225) or BCH-23 code (2047,1794) on GF (2048)
		1	—	BCH-1 code (127,120) on GF (128)
15	16	2	—	RS-1 code (32,30) or BCH-1 code (255,247) on GF (256)
		4	—	RS-2 code (64,60) or BCH-3 code (511,484) on GF (512)
		8	—	RS-4 code (128,120) or BCH-6 code (1023,963) on GF (1024)
		16	—	RS-7 code (255,241) or BCH-11 code (2047,1926) on GF (2048)
		1	—	BCH-1 code (136,128) on GF (256)
16	17	2	—	RS-1 code (34,32) or BCH-1 code (272,263) on GF (512)
		4	—	RS-2 code (68,64) or BCH-3 code (544,514) on GF (1024)
		8	—	RS-4 code (136,128) or BCH-5 code (1088,1033) on GF (2048)
	18	1	—	RS-1 code (18,16) or BCH-2 code (144,128) on GF (256)
		2	—	RS-2 code (36,32) or BCH-3 code (288,261) on GF (512)
		3	—	RS-3 code (54,48) or BCH-5 code (432,387) on GF (512)
		4	—	RS-4 code (72,64) or BCH-6 code (576,516) on GF (1024)
		8	—	RS-8 code (144,128) or BCH-11 code (1152,1031) on GF (2048)
		14	—	RS-14 code (252,224) or BCH-20 code (2016,1796) on GF (2048)
	19	1	—	RS-1 code (19,17) or BCH-3 code (152,128) on GF (256)
		2	—	RS-3 code (38,32) or BCH-5 code (304,259) on GF (512)
		4	—	RS-6 code (76,64) or BCH-9 code (608,518) on GF (1024)
		8	—	RS-12 code (152,128) or BCH-17 code (1216,1029) on GF (2048)
a	b	c	—	THE SAME CODE IS APPLICABLE AMONG FOUR CASES SHOWN LEFT.
$a \times \beta$	$b \times \beta$	$c \div \beta$	—	WHERE a,b AND c ARE ARBITRARY INTEGERS
c	—	a	b	β IS ARBITRARY DIVISOR
$c \div \beta$	—	$a \times \beta$	$b \times \beta$	

RS: Reed-Solomon code on GF (256)

RS/BCH-xcode x multi errors correcting RS/BCH code

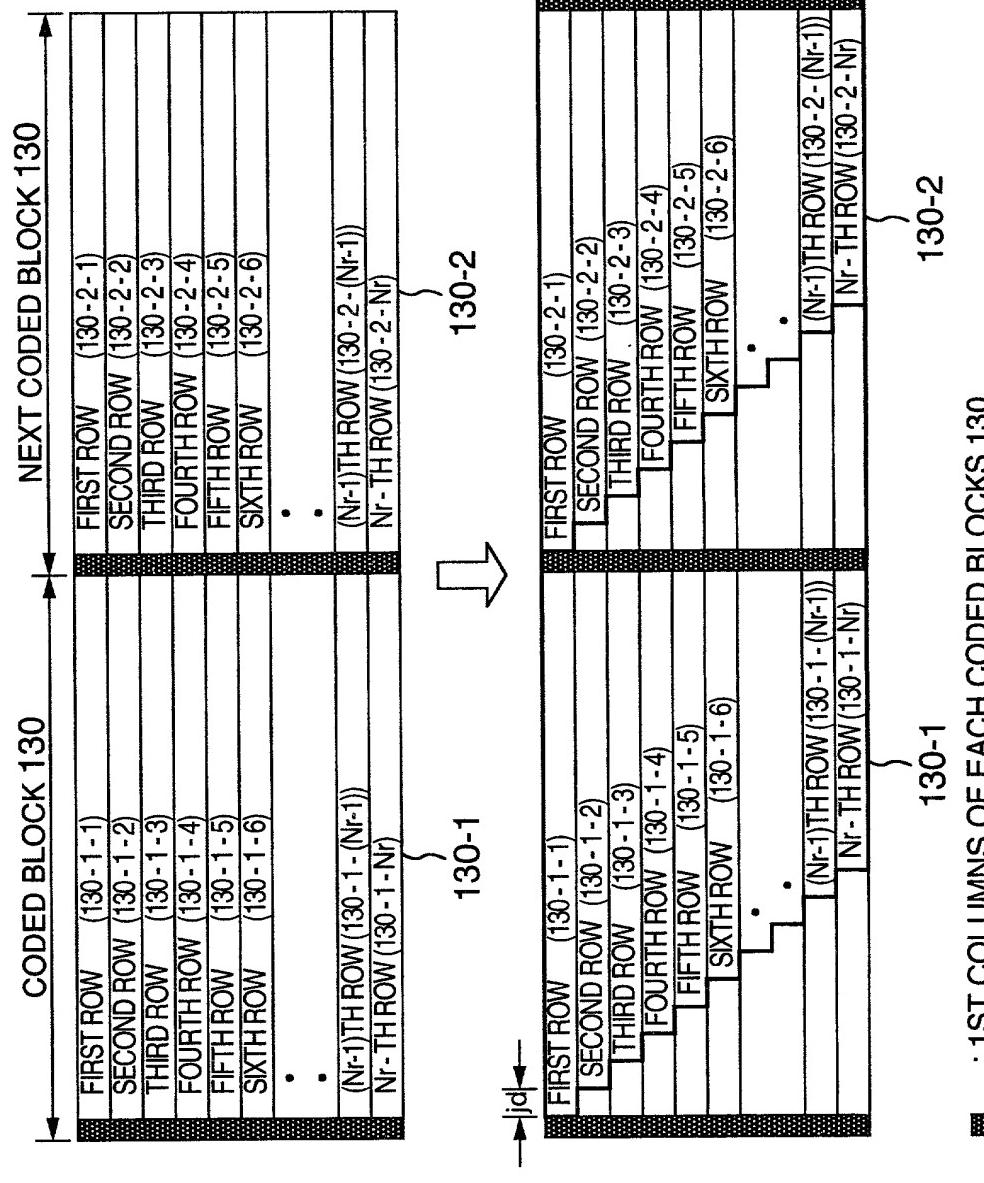
GF: Galois Field

FIG.10



TRANSMISSION
SEQUENCE →
1ST 2ND

FIG. 11



■ : 1ST COLUMNS OF EACH CODED BLOCKS 130

FIG.12

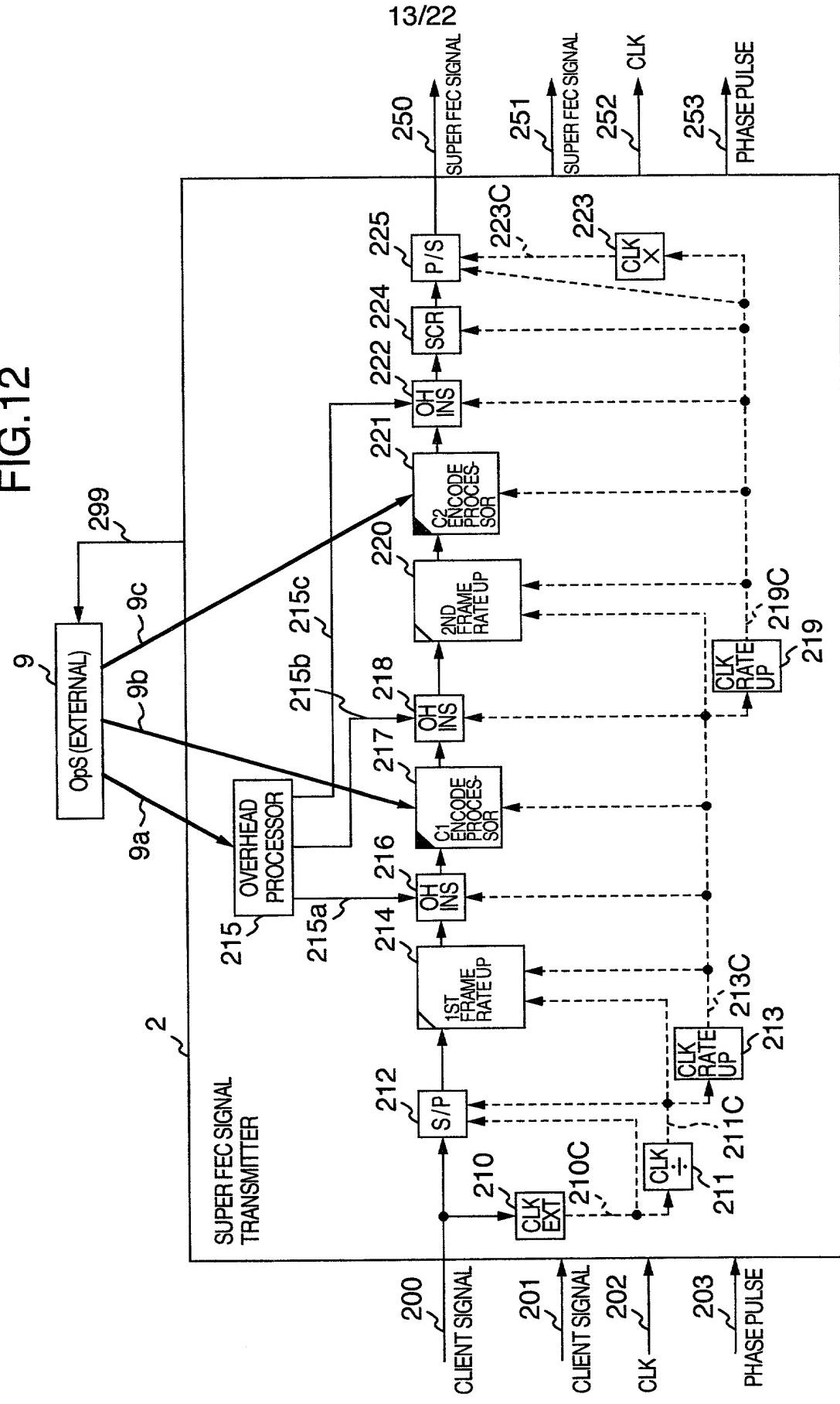


FIG. 13

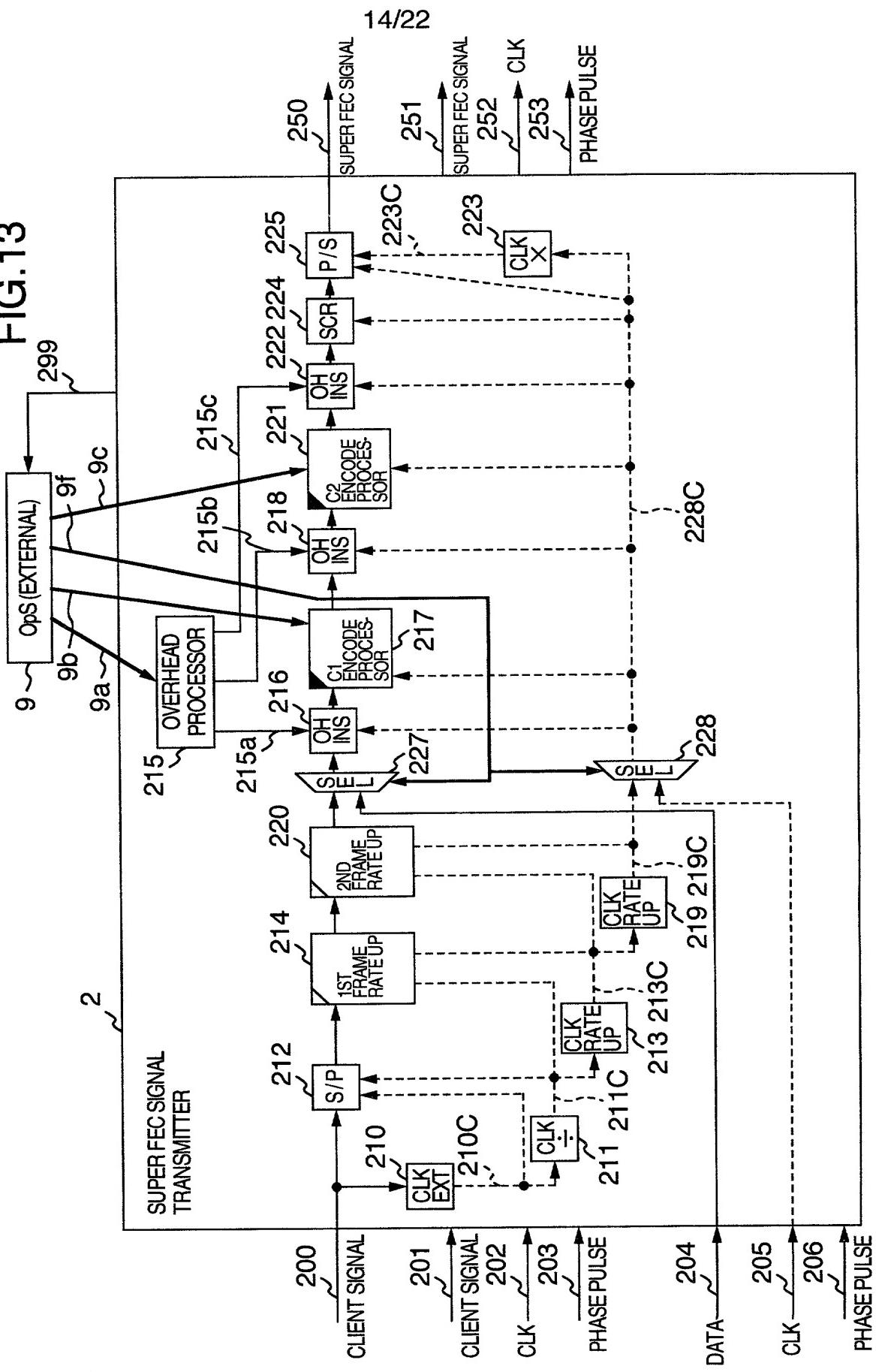


FIG. 14

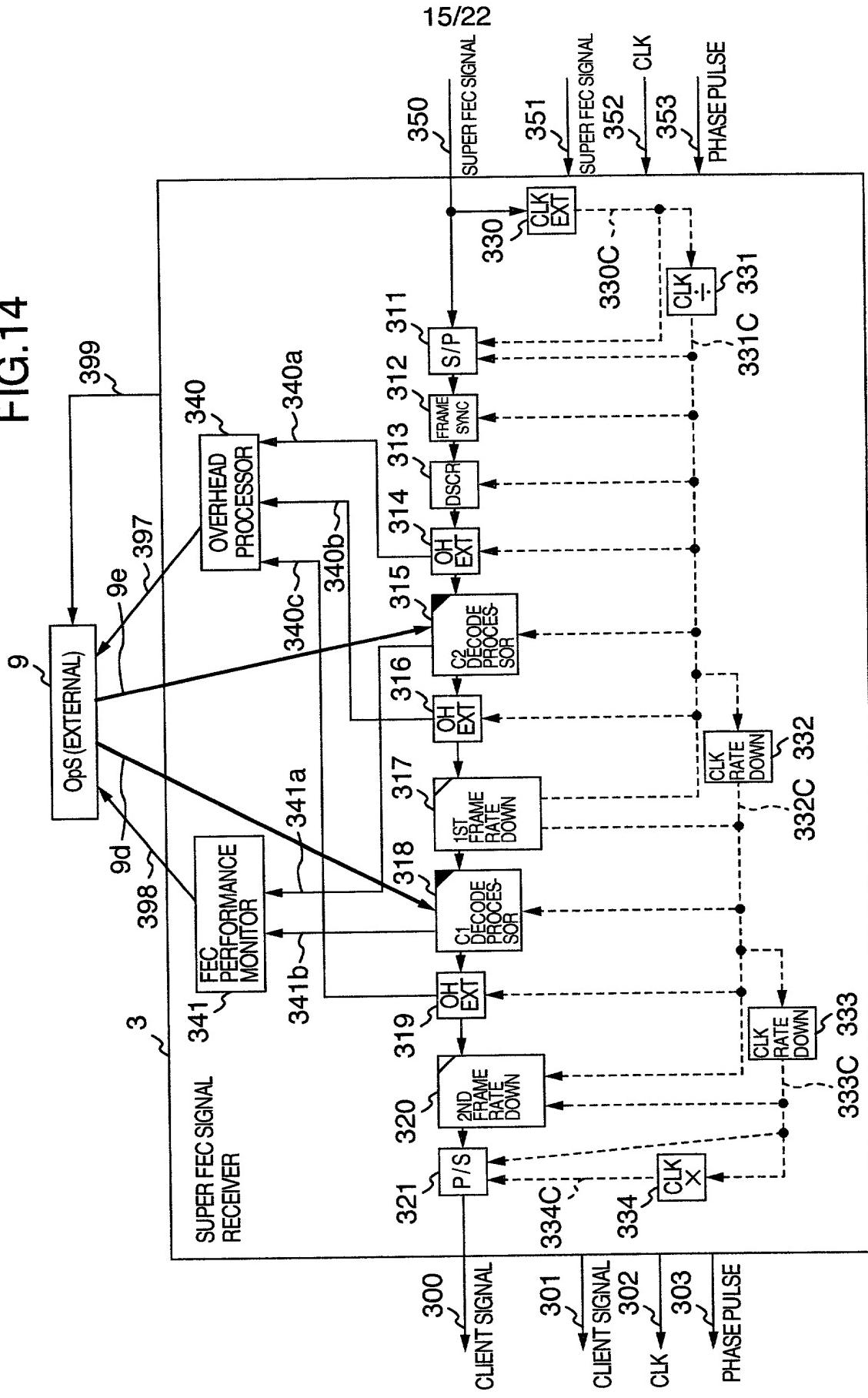


FIG. 15

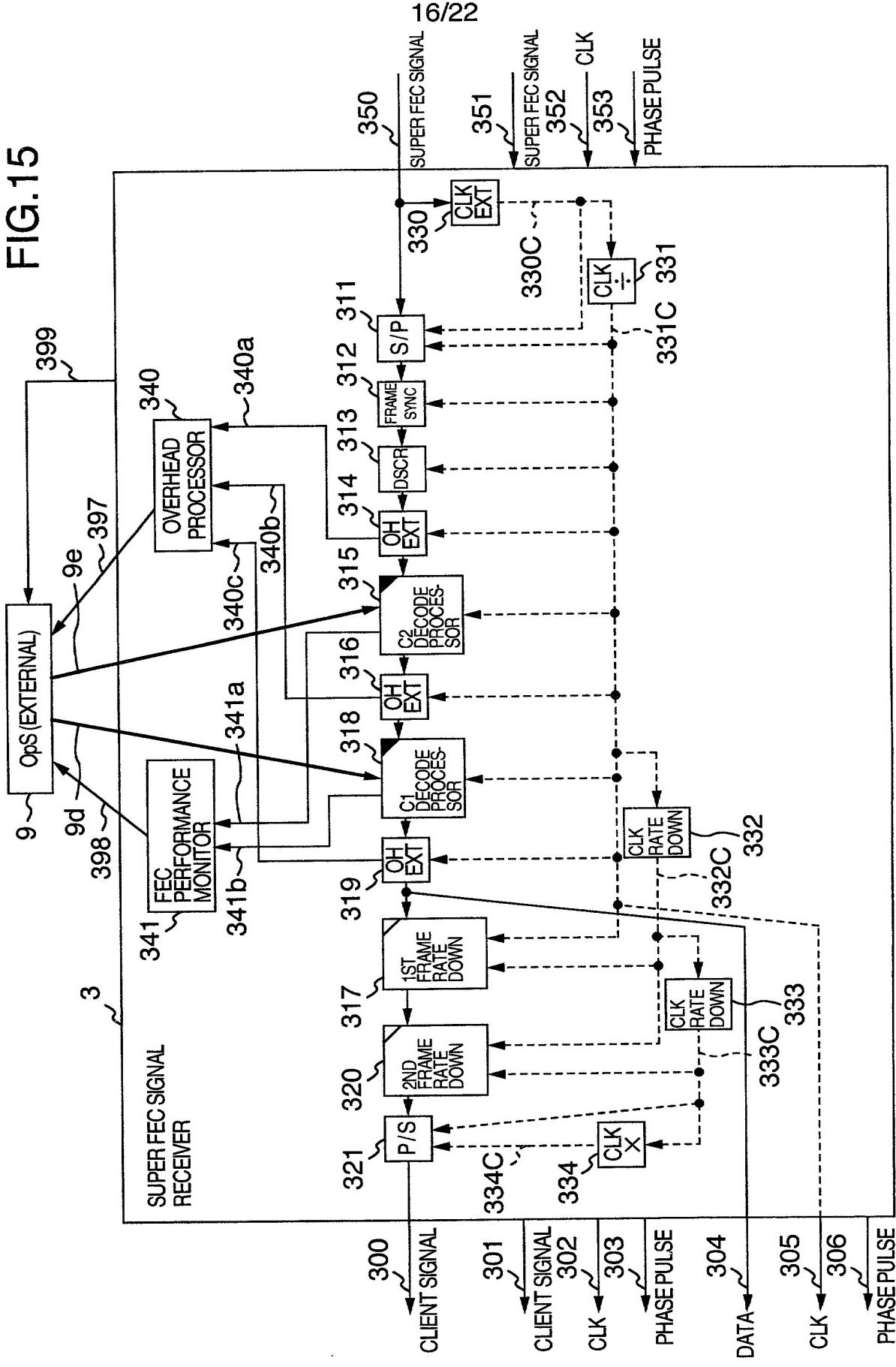


FIG. 16

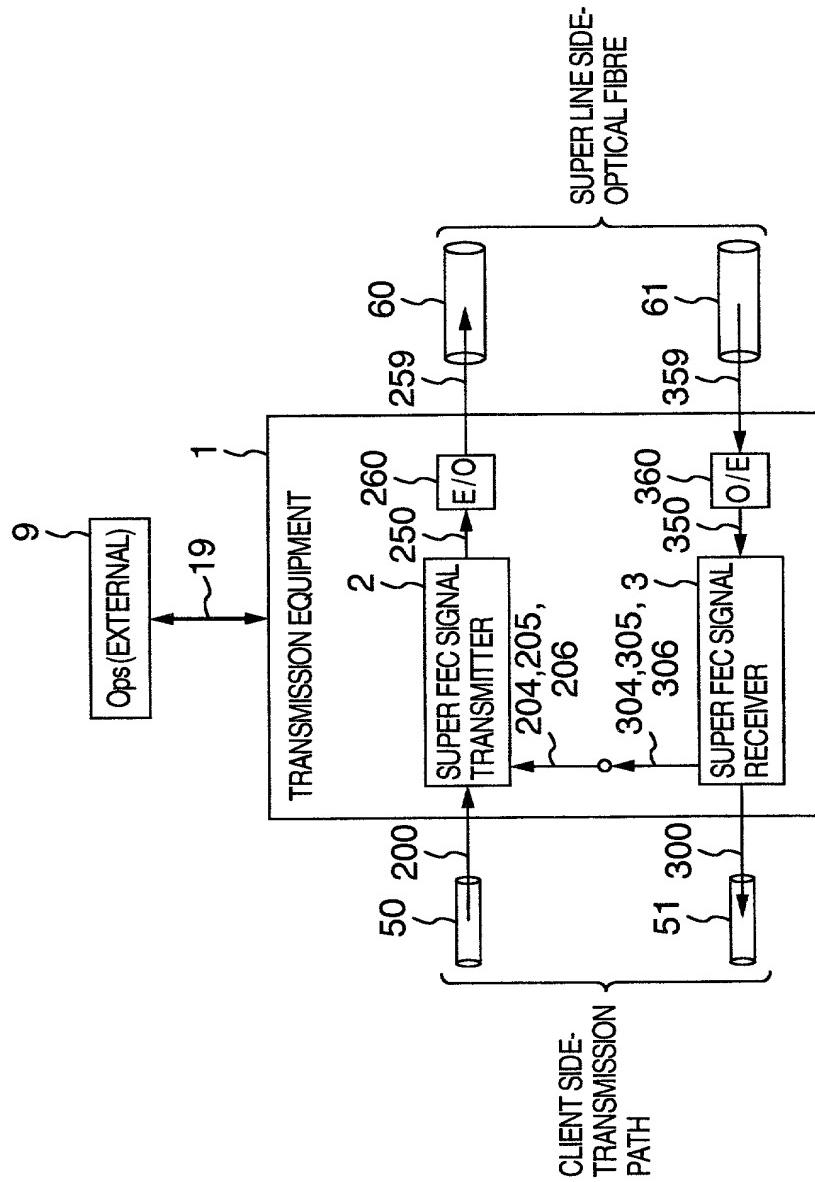


FIG.17

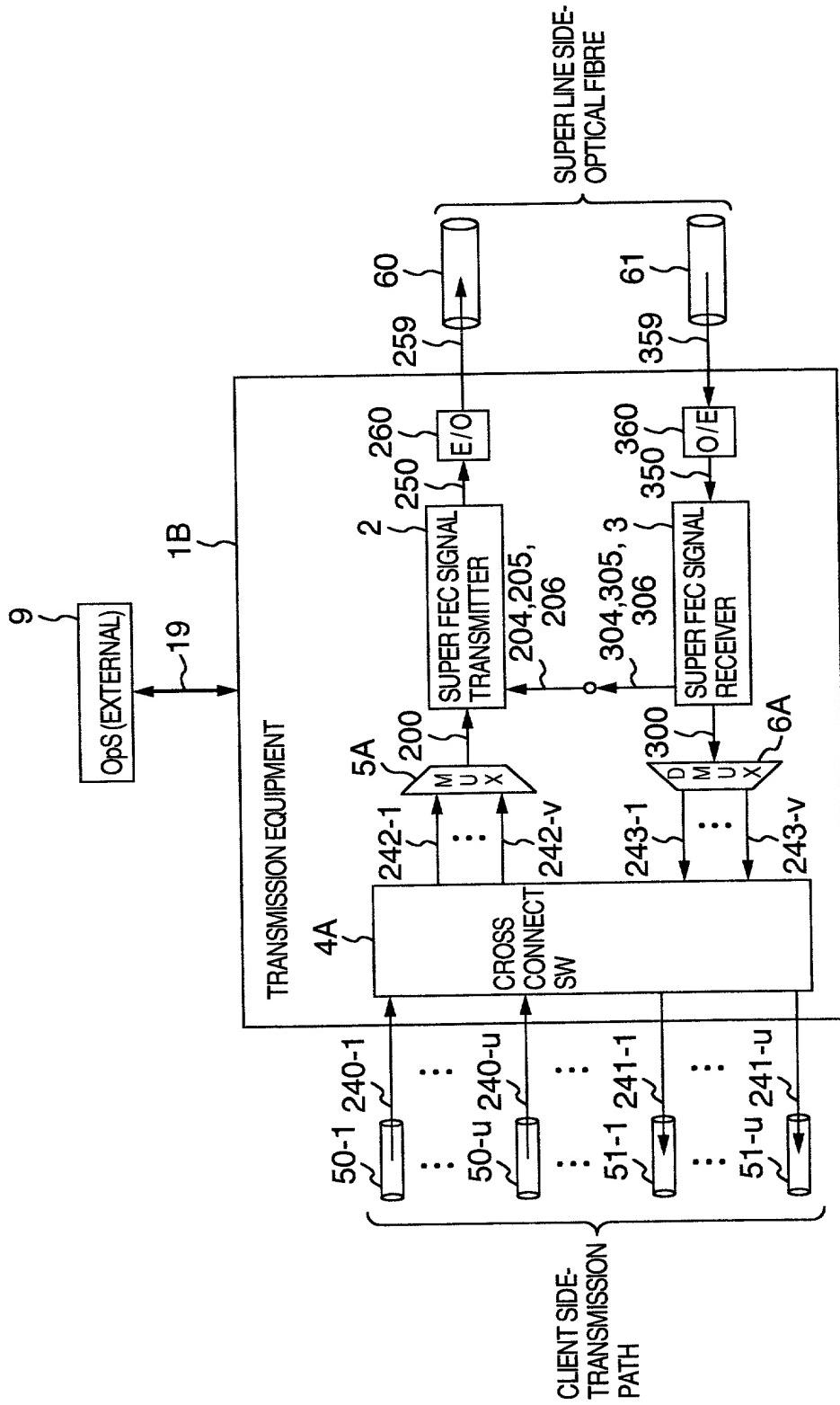


FIG. 18

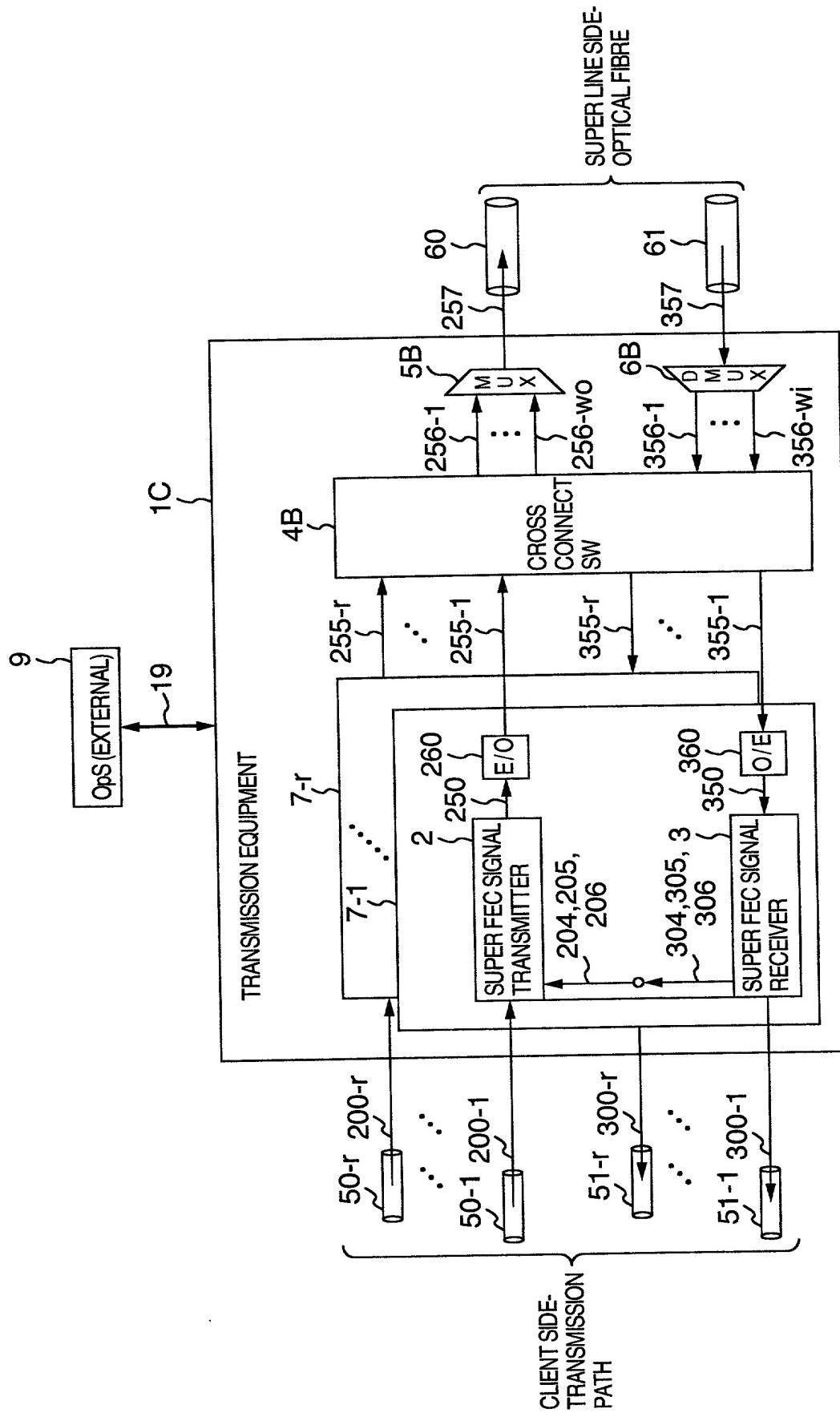


FIG. 19

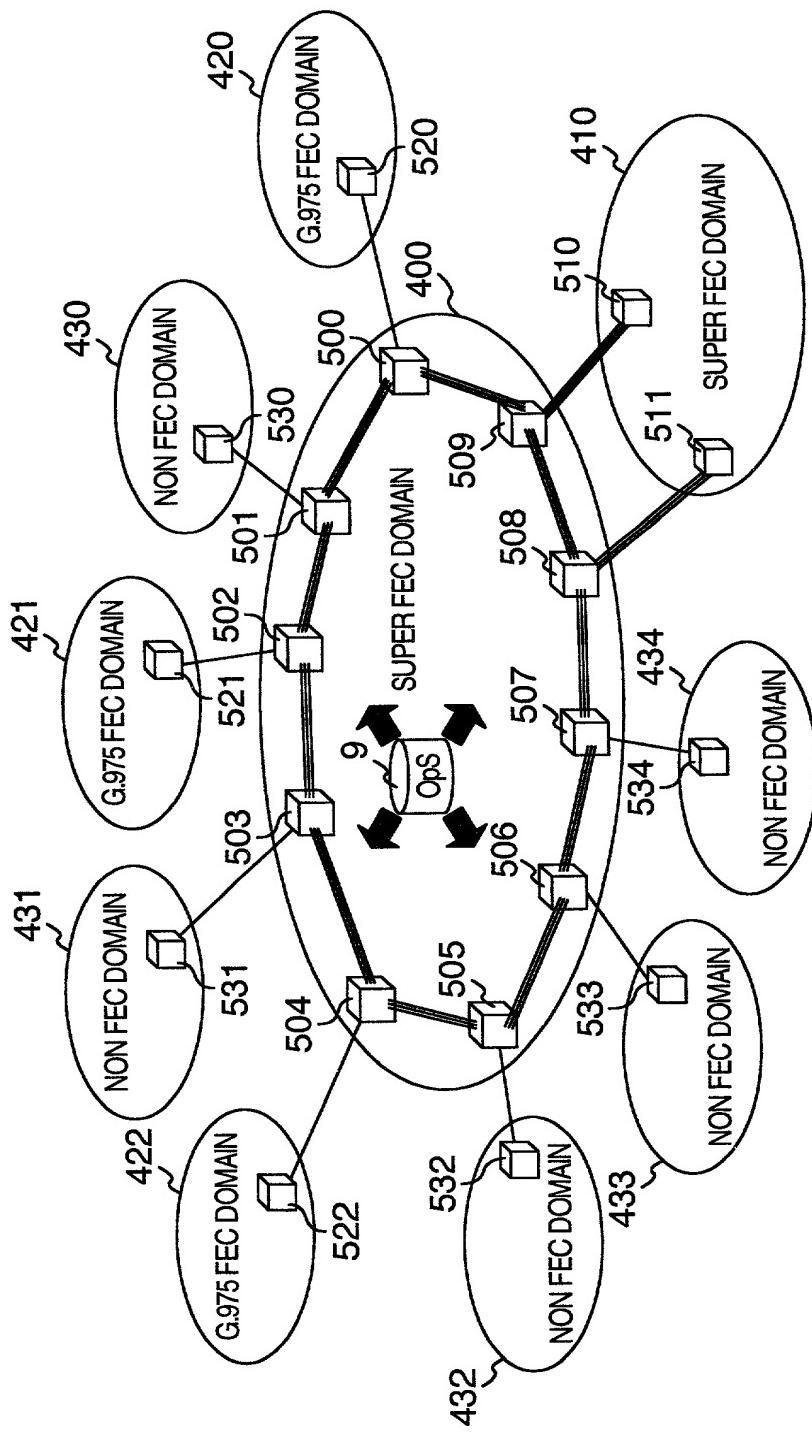


FIG.20

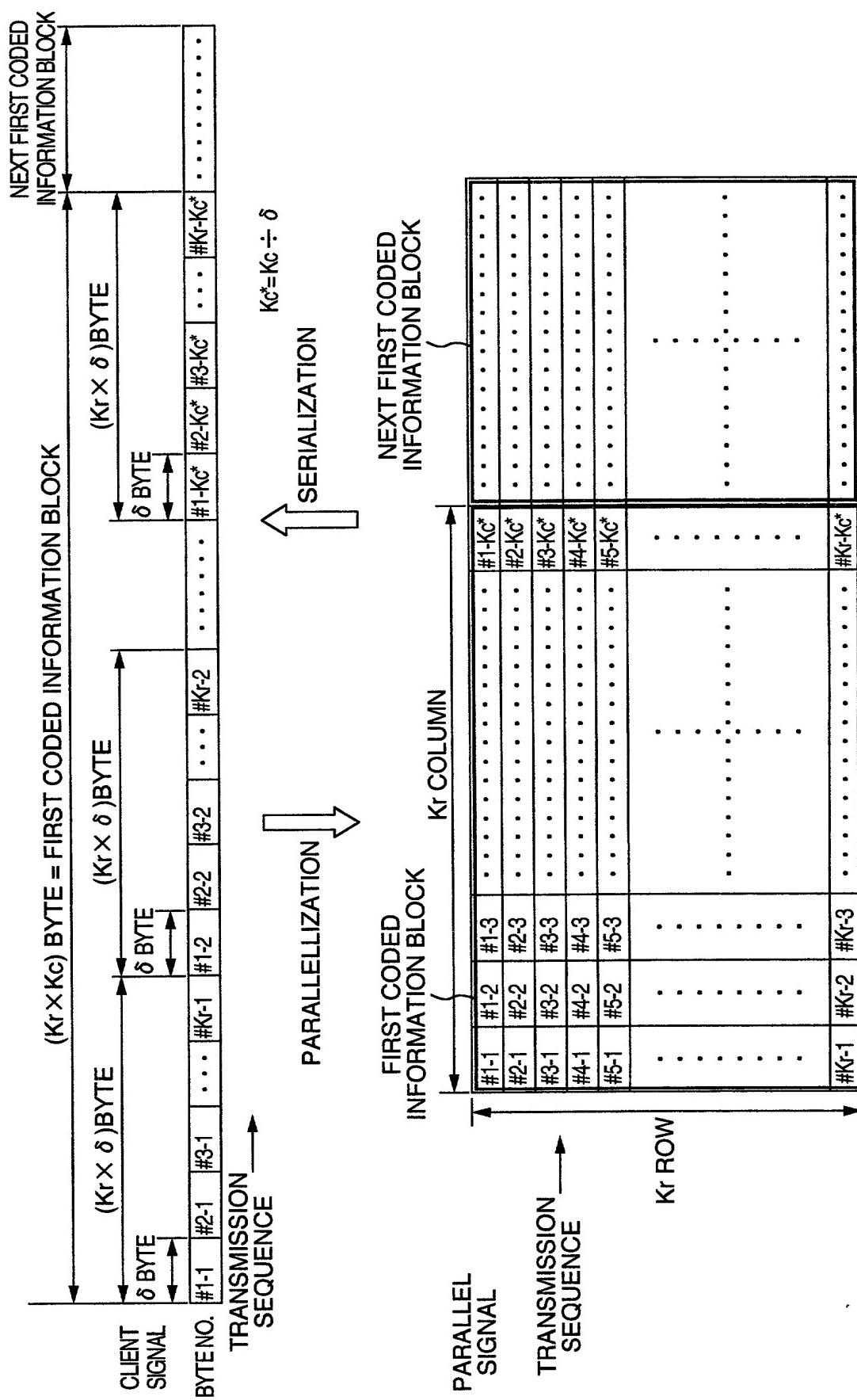


FIG.21

